20. Environmental Statement *(See 47 C.F.R. Section 1.1301 et seq.)*

Would a Commission grant of this application come within 47 C.F.R. Section 1.1307, such that it may have a significant environmental impact? ☐ Yes ☒ No

If you answer Yes, submit as an Exhibit an Environmental Assessment required by 47 C.F.R. Section 1.1311. Exhibit No.

If No, explain briefly why not.

Proposal does not involve any action specified in Section 1.1307(a)&(b) of the FCC Rules.

CERTIFICATION

I certify that I have prepared this Section of this application on behalf of the applicant, and that after such preparation, I have examined the foregoing and found it to be accurate and true to the best of my knowledge and belief.

Name *(Typed or Printed)*	Relationship to Applicant *(e.g., Consulting Engineer)*
S. K. Khanna	Consulting Engineer
Signature S. K. Khanna	Address *(Include ZIP Code)* Cohen, Dippell and Everist, P.C. 1300 L Street, N.W., Suite 1100 Washington, D.C. 20005
Date January 8, 1992	Telephone No. *(Include Area Code)* (202) 898-0111

COHEN, DIPPELL AND EVERIST, P. C.

EXHIBIT E

ENGINEERING REPORT RE
APPLICATION FOR CONSTRUCTION PERMIT
FOR FULL-SERVICE TELEVISION STATION
JACKSONVILLE, NORTH CAROLINA
CHANNEL 35 3532 KW DA (MAX) 257 METERS

[redacted]

Introduction

This engineering report has been prepared on behalf of Webber/Moore Broadcasting Company Limited Partnership, ("WMBC") in support of its application for a full-service television station at Jacksonville, North Carolina. Operation is proposed on Channel 35(z) (596-602 mHz) using a directional antenna with 3532 kW maximum effective radiated power and 257 meters antenna height above average terrain.

Transmitter Site

It is proposed to collocate at the WSFL-FM transmitter site which is located west of State Route 58, 2.5 km south of Trenton, Jones County, North Carolina. Geographic coordinates of the site are as follows:

North Latitude: 35° 02' 27"
West Longitude: 77° 21' 11"

Equipment Data

Transmitter:	Type-approved, rated at 60 kW (17.78 dBk) peak visual; and 12 kW (10.8 dBk) aural.
Transmission Line:	275 meters (902 feet) of Dielectric, 8-3/16" air dielectric coaxial cable.
Antenna:	Dielectric, Type TFU-36JSM, slot array pylon directional with 0.5° electrical beam tilt oriented at N 28°E (true). The horizontal and vertical plane patterns are included. See Exhibits E-3 through E-7.

Power Data

Visual:

Transmitter output: 60 kW 17.78 dBk

Elevation Data
(continued)

Center of radiation of antenna above ground	253 meters
Elevation of site above mean sea level	14 meters
Center of radiation of Channel 35 antenna above mean sea level	267 meters
Overall height above mean sea level including beacon	301 meters
Average elevation - 3 to 16 km	10 meters
Antenna height above average terrain	257 meters

(rounded to nearest meter)

Allocation Situation

The attached Table I shows the distances to the pertinent co-channel and adjacent-channel stations and to those listed in Table II, Section 73.698.

As indicated, all distances comply with the minimum separation requirements listed under Section 73.610 of the FCC Rules.

The distances were computed using the FCC listed geographic coordinates.

Topographic Data

The average elevation data between 3 to 16 km for the eight radials at 45° intervals starting with true north plus an azimuth (N 191°E) through Jacksonville, North Carolina, is based on the NGDC 30-second data base. Using the NGDC 30-second data base in lieu of the terrain elevation shown in the WSFL-FM license file results in a difference of only 3 meters and is believed to be "de minimis".

Contour Data

The coverage contours for the proposed operation are portrayed on Exhibit E-9. The distances to the contours were determined by the method prescribed under Section 73.684 of the FCC Rules. For the Grade A and Grade B contours, the maximum effective radiated power was used since the relative vertical field was greater than 90% at the depression angles (varying from 0.440° to 0.447°) computed from the formula in Paragraph (1) in the section. For the determination of City Grade contour, appropriate effective radiated power based on the computed depression angle was used.

Table II includes the distance to the City Grade, Grade A, and Grade B contours, the average elevation 3 to 16 km and the antenna height above average terrain for eight radials.

Table III provides the data for azimuth intervals of 10 degrees and maxima and minima values for the directional operation.

Population and Area Data

Population for the Grade B contour is based on the computerized 1990 census of the United States for the state of North Carolina. The population count was made utilizing a computer program which defines the count region and lists the census blocks within that region. The area of the Grade B contour was measured with a polar planimeter using the original map. The proposed Grade B contour covers an area of 13,639 square kilometers including a population of 596,382.

FAA Data

Although no change in overall height of the existing WSFL-FM structure is proposed, the details of the proposed side-mounted UHF-TV antenna were specified in FAA Form 7460-1 and mailed to the Southern Regional Office.

Main Studio Location

The main studio will be located within the proposed City Grade contour.

Other Radio Stations

There are no AM or TV stations in the immediate vicinity of the proposed site. As previously indicated, it is proposed to side-mount the Channel 35 antenna on the existing tower structure of WSFL-FM, New Bern, North Carolina. WSFL-FM operates on Channel 293C1 (106.5 mHz) with 100 kW ERP and 279 meters HAAT. Additionally, there is one FM and two TV stations 7.3 kilometers from the proposed Channel 35 site. FM station WRNS-FM, Kinston, North Carolina, operates on Channel 236C (95.1 mHz) with 95 kW ERP and 457 meters HAAT. The two TV stations are WCTI, New Bern and WUNM-TV, Jacksonville, North Carolina, and operate on channels 12 and 17, respectively. WCTI has a maximum ERP of 316 kW and HAAT of 591 meters. WUNM-TV has a maximum ERP of 3020 kW and HAAT of 561 meters.

In case of a problem to WSFL-FM or any other authorized non-broadcast facilities or radio receivers, the applicant would take the necessary remedial steps to resolve intermodulation interference.

Environmental Statement

There is no change in the overall height of the existing WSFL supporting structure. Therefore, the environmental issues raised under Section 1.1307(a) are not addressed.

An evaluation has been made to determine compliance with the FCC specified standards for human exposure to RF radiation as set forth in the OST Bulletin No. 65 dated October 1985. For a maximum effective radiated peak visual power of 3532 kW and aural power of 353.2 kW and a radiation center of 253 meters above ground level and a maximum antenna factor of 0.1, the proposed TV Channel 35 operation would have a maximum 9.1 microwatts per square centimeter ($\mu W/cm^2$) radiation level at 2 meters above the base of the tower. The ANSI standard for UHF-TV Channel 35 is 1990 $\mu W/cm^2$. The Channel 35 proposal is to collocate with WSFL-FM. An evaluation has been made for this station also. Station WSFL-FM operating with 100 kW (H&V) and a radiated center of 278 meters above ground level, the WSFL-TV operation would have maximum 87.7 microwatts per square centimeter ($\mu W/cm^2$) radiation level at 2 meters above the base of the tower. The total combined radiation level for both operations is 9.3% (8.8% WSFL-FM, 0.5% proposed Channel 35) at the base of the tower or less than 10% of the ANSI limit.

Therefore, members of the public and personnel working around the proposed transmitting facility will not be exposed to levels above those prescribed by ANSI. With respect to work performed on the tower structure at or near the radiating elements, the proposed station will establish procedures including reducing or turning off the power to ensure that workers are not exposed to levels of the radio frequency radiation in excess of the "Radio Frequency Protection Guides" recommended in "American National Standard Safety Levels with Respect

to Human Exposure to Radio Frequency Electromagnetic Fields, 300 kHz to 100 GHz", (ANSI C95.1-1982) issued by the American National Standards Institute (ANSI).

For the reasons stated above, the "WMBC" proposal does not involve any action specified in Section 1.1307(a) and (b) of the Commission's Rules; therefore, under Section 1.1306, it is categorically excluded from environmental processing.

COHEN, DIPPELL AND EVERIST, P. C.

TABLE I
ALLOCATION SITUATION
PROPOSED CHANNEL 35 OPERATION
JACKSONVILLE, NORTH CAROLINA
JANUARY 1992

Channel	Call	City/State	Geographic Coordinates	Separation	
				Actual km	Required km
12	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

COHEN, DIPPELL AND EVERIST, P. C.

TABLE II
COMPUTED COVERAGE DATA
PROPOSED CHANNEL 35 OPERATION
JACKSONVILLE, NORTH CAROLINA
JANUARY 1992

Radial Bearing N °E,T	Average* Elevation 3 to 16 km meters	HAAT* meters	E.R.P. dBk	Distance to Contour City Grade 80 dBu km	Grade A 74 dBu km	Grade B 64 dBu km
0	11	256	29.62	42.1	50.8	65.6
45	11	256	31.44	44.7	53.4	68.6
90	7	260	32.03	45.8	54.5	69.9
135	7	260	34.21	49.0	57.6	73.7
180	11	256	29.62	42.1	50.8	65.6
225	15	252	31.44	44.4	53.1	68.2
270	11	256	32.03	45.6	54.2	69.6
315	8	259	34.21	49.0	57.6	73.6
191**	13	254	31.43	44.6	53.2	68.4

*Rounded to nearest meter.

**Radial through principal community, not included in the calculation of HAAT.

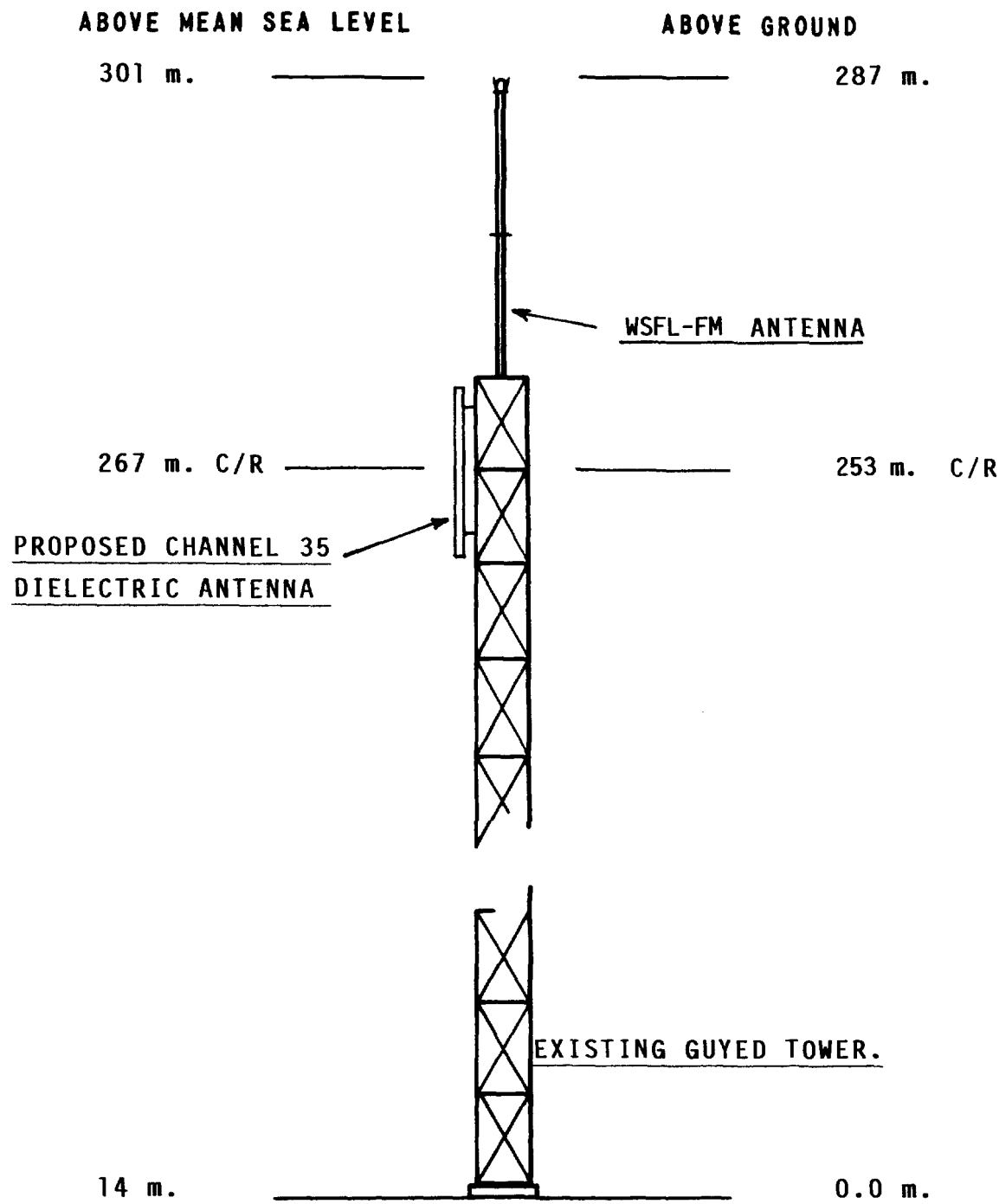
Channel 35 (596-602 mHz)
Maximum Effective Radiated Power 3532 kW (35.48 dBk)
Average Elevation 3 to 16 km 10 meters AMSL
Center of Radiation 267 meters AMSL
Antenna Height Above Average Terrain 257 meters

North Latitude: 35° 02' 27"
West Longitude: 77° 21' 11"

COHEN, DIPPELL AND EVERIST, P. C.

TABLE III
COMPUTED COVERAGE DATA
PROPOSED CHANNEL 35 OPERATION
JACKSONVILLE, NORTH CAROLINA
JANUARY 1992

Radial Bearing N °E,T	HAAT meters	E.R.P. dBk	Distance to Contour City Grade 80 dBu km	Grade A 74 dBu km	Grade B 64 dBu km
0	256	29.62	42.1	50.8	65.6
10	256	31.31	44.5	53.2	68.4
20	256	32.29	45.9	54.6	70.0
30	256	32.51	46.3	54.9	70.4
40	256	31.99	45.5	54.1	69.5
45	256	31.44	44.7	53.4	68.6
50	256	30.71	43.6	52.3	67.4
60	258	28.85	41.0	49.8	64.4
70	258	27.78	39.6	48.4	62.8
80	259	29.39	41.9	50.6	65.4
90	260	32.03	45.8	54.5	69.9
100	261	34.06	48.9	57.5	73.5
110	261	35.20	50.5	59.1	75.5
120	261	35.46	50.9	59.6	76.1
130	260	34.85	49.9	58.6	74.8
135	260	34.21	49.0	57.6	73.7
140	260	33.35	47.8	56.4	72.2
150	260	31.00	44.3	53.0	68.2
160	258	28.45	40.5	49.3	63.8
170	256	27.94	39.7	48.5	62.9
180	256	29.62	42.1	50.8	65.6
190	255	31.31	44.4	53.1	68.2
191	254	31.43	44.6	53.2	68.4
200	253	32.29	45.8	54.4	69.7
210	251	32.51	46.0	54.6	70.0
220	251	31.99	69.1	53.9	45.2
225	252	31.44	44.4	53.1	68.2
230	251	30.71	43.3	52.0	66.9
240	251	28.85	40.7	49.4	63.9
250	253	27.78	39.3	48.0	62.4
260	256	29.39	41.7	50.4	65.2
270	256	32.03	45.6	54.2	69.6
280	256	34.06	48.6	57.2	73.1
290	257	35.20	50.3	58.9	75.2
300	259	35.46	50.7	59.4	75.8
310	259	34.85	49.9	58.5	74.8
315	259	34.21	49.0	57.6	73.6
320	259	33.35	47.7	56.3	72.1
330	257	31.00	44.1	52.8	67.9
340	257	28.47	40.5	49.2	63.8
350	257	27.94	39.7	48.5	63.0



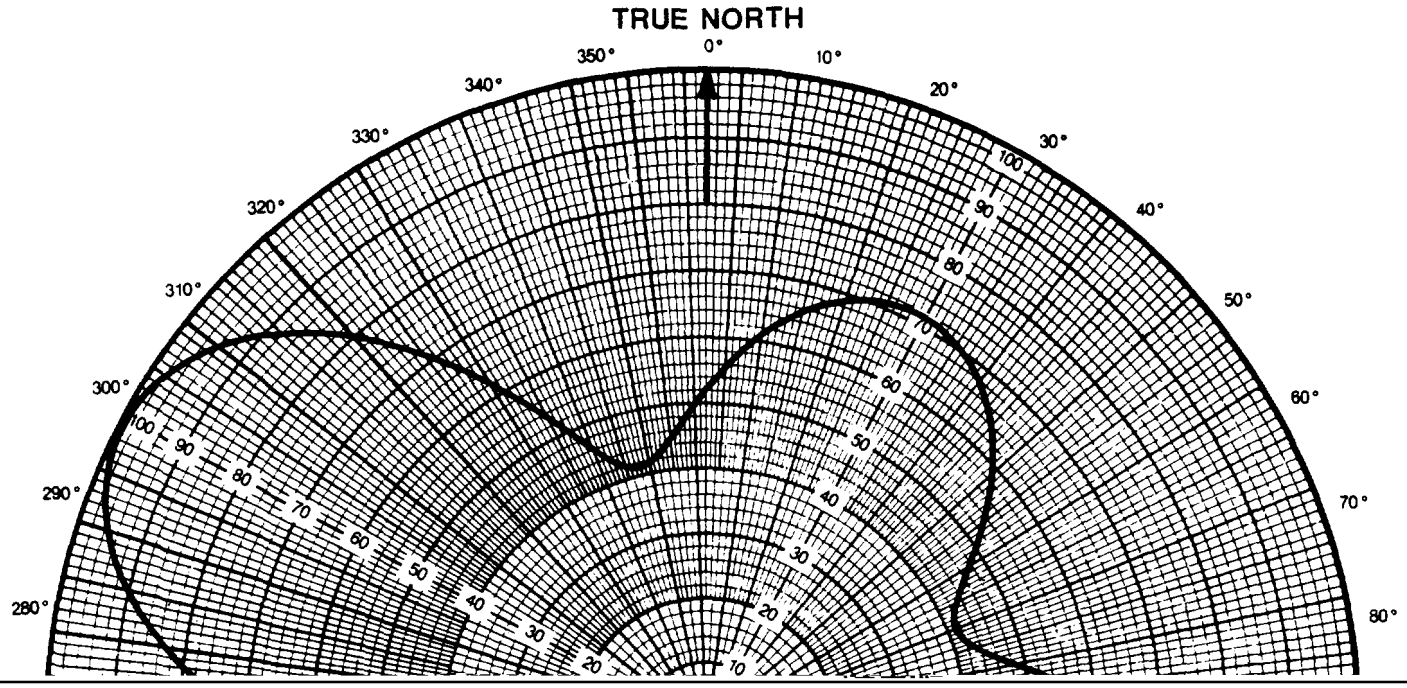
(NOT TO SCALE)

EXHIBIT E - 1
VERTICAL SKETCH
FOR THE PROPOSED CH.35 TV OPERATION AT
JACKSONVILLE, NORTH CAROLINA
JANUARY 1992

COHEN, DIPPELL AND EVERIST, P. C.

EXHIBIT E-2
JACKSONVILE, NORTH CAROLINA
CHANNEL 35
DIELECTRIC, TYPE TFU-36JSM
FIELD PATTERN
JANUARY 1992

Azimuth N °E,T	Relative Field	Effective Radiated Power dBk	
0	0.509	29.62	
10	0.619	31.31	
20	0.692	32.29	
30	0.710	32.51	
40	0.669	31.99	
45	0.628	31.44	
50	0.577	30.71	
60	0.466	28.85	
70	0.412	27.78	minimum
80	0.496	29.39	
90	0.672	32.03	
100	0.849	34.06	
110	0.969	35.20	
118	1.000	35.48	maximum
120	0.998	35.46	
130	0.930	34.85	
135	0.864	34.21	
140	0.783	33.35	
150	0.597	31.00	
160	0.446	28.45	
166	0.412	27.78	minimum
170	0.420	27.94	
180	0.509	29.62	
190	0.619	31.31	
200	0.692	32.29	
210	0.710	32.51	
220	0.669	31.99	
225	0.628	31.44	
230	0.577	30.71	
240	0.466	28.85	
250	0.412	27.78	minimum
260	0.496	29.39	
270	0.672	32.03	
280	0.849	34.06	
290	0.969	35.20	
298	1.000	35.48	maximum
300	0.998	35.46	
310	0.930	34.85	
315	0.864	34.21	
320	0.783	33.35	
330	0.597	31.00	
340	0.446	28.47	
346	0.412	27.78	minimum
350	0.420	27.94	


TRUE NORTH
0°
10°
20°
30°
40°
50°
60°
70°
80°
350°
340°
330°
320°
310°
300°
290°
280°
100
90
80
70
60
50
40
30
20
10

TABULATED DATA FOR HORIZONTAL PATTERN

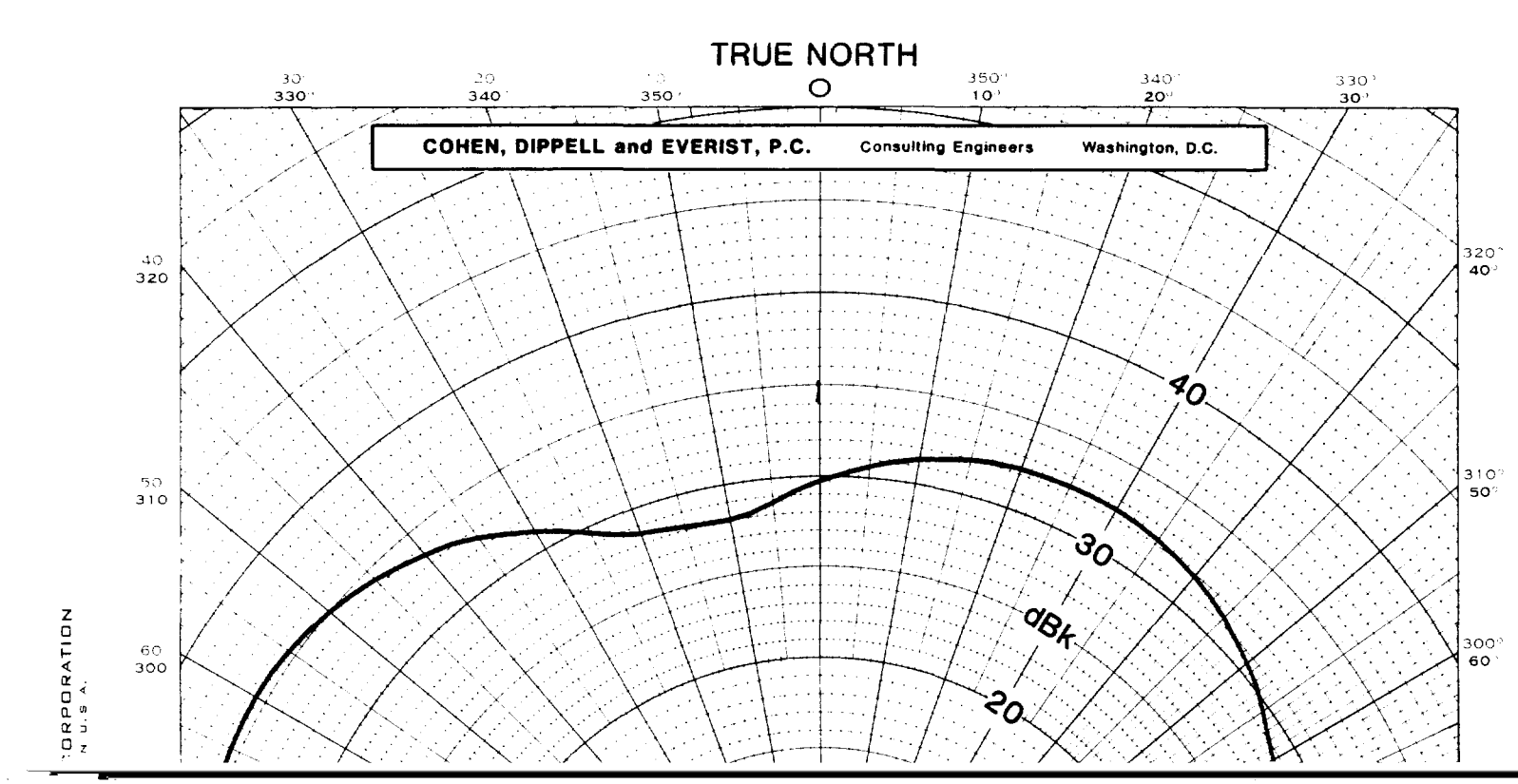
Drawing No. P210216

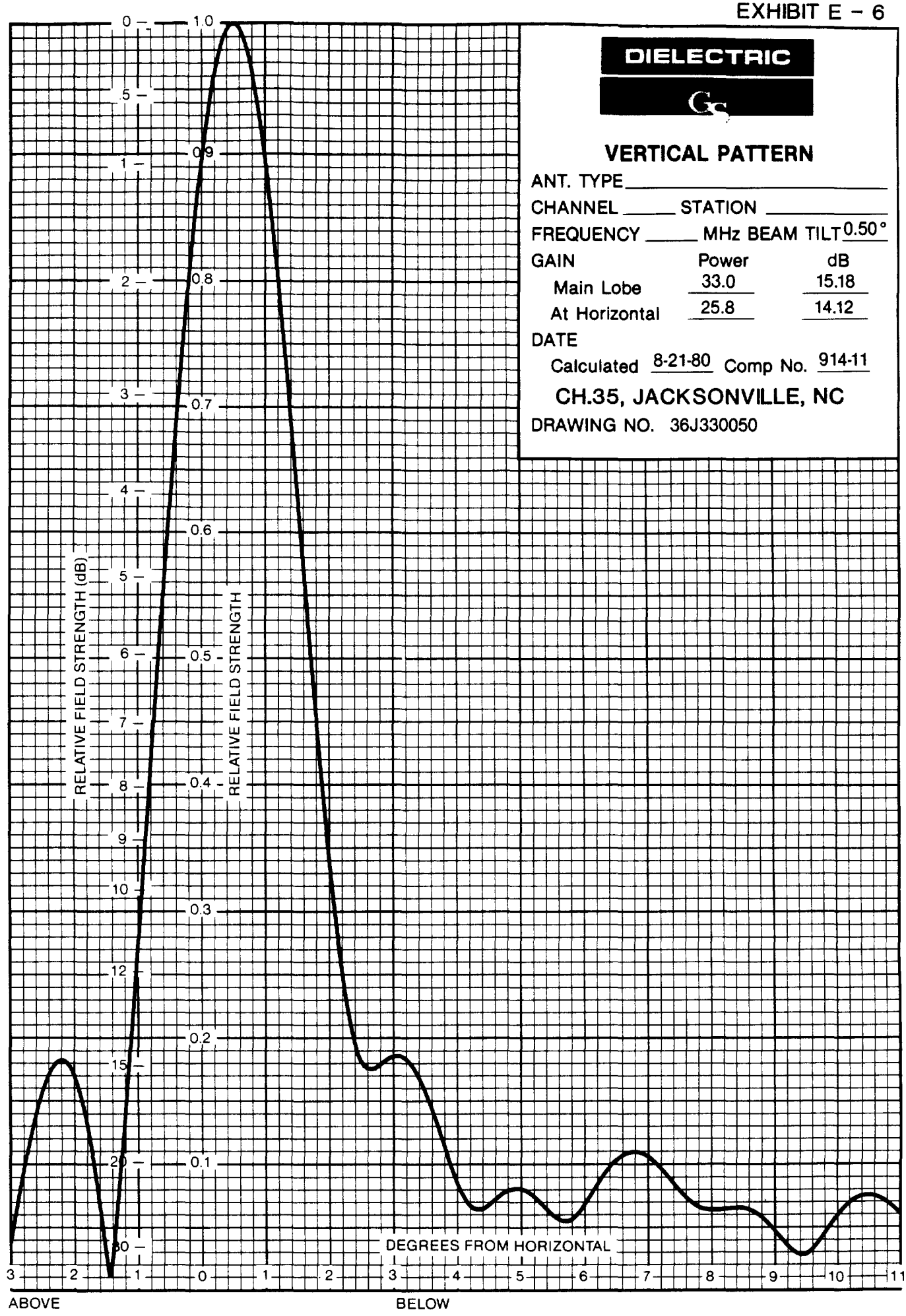
CHANNEL 35, JACKSONVILLE, NORTH CAROLINA

Azimuth * Degrees	Relative Field	dB	Azimuth * Degrees	Relative Field	dB	Azimuth * Degrees	Relative Field	dB
0	.712	-2.96	120	.635	-3.95	240	.635	-3.95
2	.710	-2.97	122	.597	-4.48	242	.672	-3.45
4	.707	-3.01	124	.561	-5.02	244	.710	-2.97
6	.701	-3.09	126	.527	-5.56	246	.747	-2.53
8	.692	-3.19	128	.496	-6.09	248	.783	-2.13
10	.682	-3.33	130	.469	-6.58	250	.817	-1.75
12	.669	-3.49	132	.446	-7.01	252	.849	-1.42
14	.654	-3.69	134	.429	-7.36	254	.879	-1.12
16	.637	-3.91	136	.417	-7.59	256	.906	-.85
18	.619	-4.17	138	.412	-7.70	258	.930	-.63
20	.599	-4.46	140	.413	-7.68	260	.951	-.43
22	.577	-4.77	142	.420	-7.54	262	.969	-.28
24	.555	-5.11	144	.432	-7.30	264	.982	-.16
26	.532	-5.48	146	.447	-6.99	266	.992	-.07
28	.509	-5.86	148	.466	-6.63	268	.998	-.02
30	.487	-6.25	150	.487	-6.25	270	1.000	0.00
32	.466	-6.63	152	.509	-5.86	272	.998	-.02
34	.447	-6.99	154	.532	-5.48	274	.992	-.07
36	.432	-7.30	156	.555	-5.11	276	.982	-.16
38	.420	-7.54	158	.577	-4.77	278	.969	-.28
40	.413	-7.68	160	.599	-4.46	280	.951	-.43
42	.412	-7.70	162	.619	-4.17	282	.930	-.63
44	.417	-7.59	164	.637	-3.91	284	.906	-.85
46	.429	-7.36	166	.654	-3.69	286	.879	-1.12
48	.446	-7.01	168	.669	-3.49	288	.849	-1.42
50	.469	-6.58	170	.682	-3.33	290	.817	-1.75
52	.496	-6.09	172	.692	-3.19	292	.783	-2.13
54	.527	-5.56	174	.701	-3.09	294	.747	-2.53
56	.561	-5.02	176	.707	-3.01	296	.710	-2.97
58	.597	-4.48	178	.710	-2.97	298	.672	-3.45
60	.635	-3.95	180	.712	-2.96	300	.635	-3.95
62	.672	-3.45	182	.710	-2.97	302	.597	-4.48
64	.710	-2.97	184	.707	-3.01	304	.561	-5.02
66	.747	-2.53	186	.701	-3.09	306	.527	-5.56
68	.783	-2.13	188	.692	-3.19	308	.496	-6.09
70	.817	-1.75	190	.682	-3.33	310	.469	-6.58
72	.849	-1.42	192	.669	-3.49	312	.446	-7.01
74	.879	-1.12	194	.654	-3.69	314	.429	-7.36
76	.906	-.85	196	.637	-3.91	316	.417	-7.59
78	.930	-.63	198	.619	-4.17	318	.412	-7.70
80	.951	-.43	200	.599	-4.46	320	.413	-7.68
82	.969	-.28	202	.577	-4.77	322	.420	-7.54
84	.982	-.16	204	.555	-5.11	324	.432	-7.30
86	.992	-.07	206	.532	-5.48	326	.447	-6.99
88	.998	-.02	208	.509	-5.86	328	.466	-6.63
90	1.000	0.00	210	.487	-6.25	330	.487	-6.25
92	.998	-.02	212	.466	-6.63	332	.509	-5.86
94	.992	-.07	214	.447	-6.99	334	.532	-5.48
96	.982	-.16	216	.432	-7.30	336	.555	-5.11
98	.969	-.28	218	.420	-7.54	338	.577	-4.77
100	.951	-.43	220	.413	-7.68	340	.599	-4.46
102	.930	-.63	222	.412	-7.70	342	.619	-4.17
104	.906	-.85	224	.417	-7.59	344	.637	-3.91
106	.879	-1.12	226	.429	-7.36	346	.654	-3.69
108	.849	-1.42	228	.446	-7.01	348	.669	-3.49
110	.817	-1.75	230	.469	-6.58	350	.682	-3.33
112	.783	-2.13	232	.496	-6.09	352	.692	-3.19
114	.747	-2.53	234	.527	-5.56	354	.701	-3.09
116	.710	-2.97	236	.561	-5.02	356	.707	-3.01
118	.672	-3.45	238	.597	-4.48	358	.710	-2.97

	Relative Field	dB	Azimuth Degrees *			
Maximum	1.000	0.00	90.0	270.0		
Minimum	.412	-7.70	42.0	138.0	222.0	318.0

* PLUS 28° FOR TRUE ORIENTATION


TRUE NORTH
30°
330°
20°
340°
10°
350°
0°
10°
350°
20°
340°
30°
330°
COHEN, DIPPELL and EVERIST, P.C.
Consulting Engineers
Washington, D.C.
40
320
50
310
60
300
320°
40°
310°
50°
300°
60°
40
30
dBk
20
ORPORATION
U.S.A.

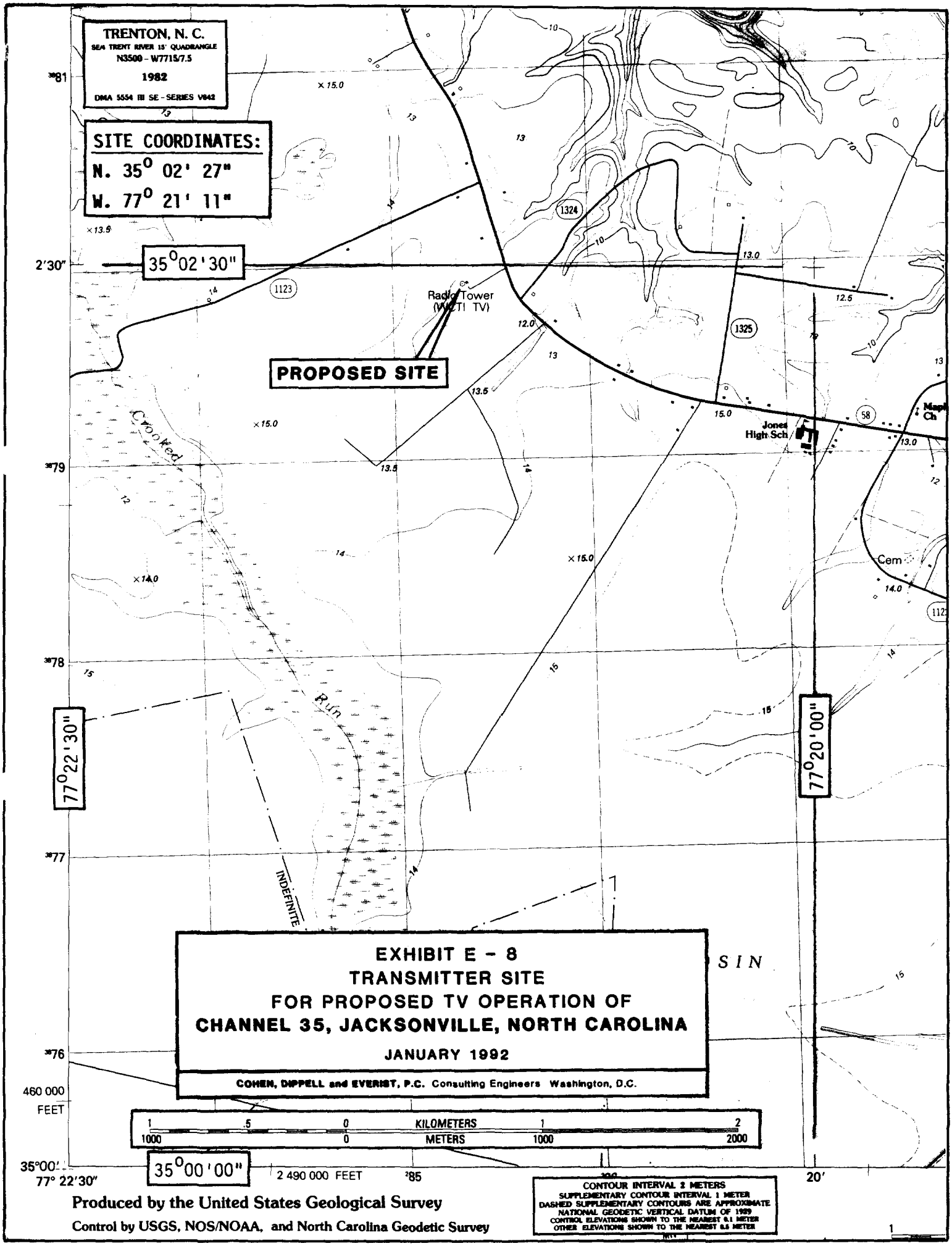

DIELECTRIC
VERTICAL PATTERN
ANT. TYPE
CHANNEL ____ STATION
FREQUENCY ____ MHz BEAM TILT 0.50°
GAIN Power dB
Main Lobe 33.0 15.18
At Horizontal 25.8 14.12
DATE
Calculated 8-21-80 Comp No. 914-11
CH.35, JACKSONVILLE, NC
DRAWING NO. 36J330050
RELATIVE FIELD STRENGTH (dB)
RELATIVE FIELD STRENGTH
0 5 1 2 3 4 5 6 7 8 9 10 12 15 20 30
1.0 0.9 0.8 0.7 0.6 0.5 0.4 0.3 0.2 0.1
DEGREES FROM HORIZONTAL
3 2 1 0 1 2 3 4 5 6 7 8 9 10 11
ABOVE
BELOW

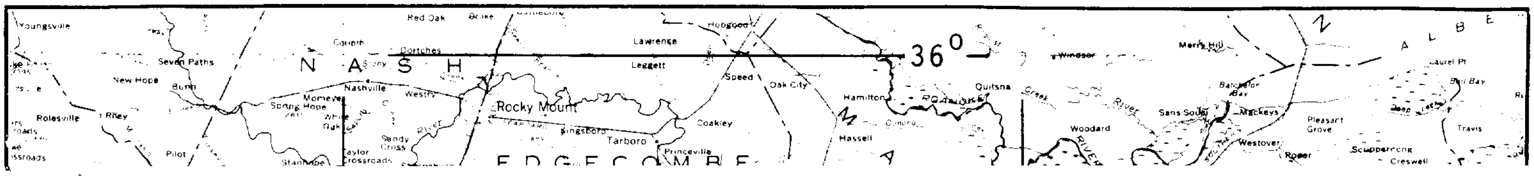
TABULATED DATA FOR VERTICAL PATTERN

Drawing No. 36J330050

CHANNEL 35, JACKSONVILLE, NORTH CAROLINA

Elev Angle°	Relative Field	dB
−10° to −3° In 0.5° Increments		
−10.0	.075	−22.47
−9.5	.073	−22.78
−9.0	.077	−22.22
−8.5	.110	−19.16
−8.0	.130	−17.75
−7.5	.105	−19.54
−7.0	.050	−26.04
−6.5	.053	−25.55
−6.0	.077	−22.23
−5.5	.052	−25.65
−5.0	.067	−23.49
−4.5	.140	−17.07
−4.0	.160	−15.93
−3.5	.092	−20.77
−3.0	.039	−28.08
−3° to +11° In 0.2° Increments		
−3.0	.039	−28.08
−2.8	.093	−20.59
−2.6	.139	−17.12
−2.4	.171	−15.35
−2.2	.183	−14.76
−2.0	.171	−15.33
−1.8	.133	−17.53
−1.6	.068	−23.35
−1.4	.027	−31.53
−1.2	.137	−17.24
−1.0	.267	−11.48
−.8	.406	−7.84
−.6	.546	−5.25
−.4	.680	−3.35
−.2	.798	−1.96
.0	.894	−.98
.2	.961	−.35
.4	.995	−.04
.6	.996	−.04
.8	.963	−.33
1.0	.899	−.93
1.2	.809	−1.84
1.4	.700	−3.10
1.6	.581	−4.72
1.8	.460	−6.75
2.0	.347	−9.19
2.2	.255	−11.86
2.4	.196	−14.14
2.6	.176	−15.10
2.8	.179	−14.93
3.0	.186	−14.62
3.2	.183	−14.74
3.4	.169	−15.45
3.6	.144	−16.81
3.8	.114	−18.84
4.0	.085	−21.37
4.2	.067	−23.49
4.4	.065	−23.72
4.6	.073	−22.72
4.8	.080	−21.94
5.0	.081	−21.86
5.2	.075	−22.53
5.4	.065	−23.80
5.6	.056	−25.01
5.8	.057	−24.84
6.0	.069	−23.24
6.2	.085	−21.45
6.4	.099	−20.12
6.6	.108	−19.36
6.8	.110	−19.16
7.0	.106	−19.48
7.2	.097	−20.26
7.4	.085	−21.40
7.6	.074	−22.65
7.8	.066	−23.58
8.0	.064	−23.88
8.2	.065	−23.72
8.4	.066	−23.59
8.6	.064	−23.86
8.8	.058	−24.78
9.0	.047	−26.49
9.2	.036	−28.99
9.4	.028	−30.95
9.6	.033	−29.51
9.8	.046	−26.65
10.0	.060	−24.45
10.2	.070	−23.08
10.4	.075	−22.45
10.6	.075	−22.46
10.8	.070	−23.09
11.0	.061	−24.28
+11° to +90° In 0.5° Increments		
11.0	.061	−24.28
11.5	.043	−27.24
12.0	.060	−24.45
12.5	.070	−23.14
13.0	.052	−25.74
13.5	.018	−35.01
14.0	.019	−34.48
14.5	.026	−31.56
15.0	.010	−39.77
15.5	.022	−33.09
16.0	.046	−26.73
16.5	.051	−25.89
17.0	.036	−28.96
17.5	.013	−37.54
18.0	.006	−44.06
18.5	.007	−43.09
19.0	.022	−33.00
19.5	.046	−26.82
20.0	.059	−24.64
20.5	.053	−25.48
21.0	.034	−29.31
21.5	.024	−32.22
22.0	.033	−29.58
22.5	.033	−29.60
23.0	.019	−34.22
23.5	.006	−44.88
24.0	.015	−36.33
24.5	.016	−36.19
25.0	.007	−43.01
25.5	.016	−36.17
26.0	.025	−32.12
26.5	.022	−32.97
27.0	.010	−39.67
27.5	.012	−38.75
28.0	.022	−33.19
28.5	.022	−33.20
29.0	.014	−36.98
29.5	.018	−34.74
30.0	.030	−30.52
30.5	.034	−29.44
31.0	.031	−30.06
31.5	.034	−29.27
32.0	.045	−27.03
32.5	.050	−26.05
33.0	.044	−27.19
33.5	.027	−31.23
34.0	.008	−41.72
34.5	.007	−42.62
35.0	.011	−38.94
35.5	.008	−42.38
36.0	.017	−35.55
36.5	.031	−30.10
37.0	.040	−28.04
37.5	.038	−28.44
38.0	.027	−31.35
38.5	.013	−38.00
39.0	.004	−48.28
39.5	.006	−44.12
40.0	.005	−45.85
40.5	.014	−37.39
41.0	.026	−31.69
41.5	.034	−29.31
42.0	.034	−29.43
42.5	.024	−32.34
43.0	.011	−38.79
43.5	.018	−34.82
44.0	.031	−30.09
44.5	.037	−28.59
45.0	.034	−29.44
45.5	.023	−32.75
46.0	.012	−38.44
46.5	.014	−37.06
47.0	.020	−33.92
47.5	.020	−33.87
48.0	.014	−36.93
48.5	.008	−42.06
49.0	.013	−37.94
49.5	.019	−34.51
50.0	.020	−34.17
50.5	.015	−36.64
51.0	.011	−39.30
51.5	.019	−34.45
52.0	.030	−30.38
52.5	.038	−28.37
53.0	.041	−27.81
53.5	.039	−28.28
54.0	.035	−29.07
54.5	.035	−29.16
55.0	.038	−28.32
55.5	.042	−27.50
56.0	.043	−27.30
56.5	.041	−27.72
57.0	.039	−28.13
57.5	.042	−27.55
58.0	.050	−26.04
58.5	.059	−24.57
59.0	.065	−23.69
59.5	.066	−23.57
60.0	.061	−24.31
60.5	.050	−26.03
61.0	.036	−28.96
61.5	.022	−33.08
62.0	.018	−34.82
62.5	.025	−32.05
63.0	.032	−29.90
63.5	.035	−29.21
64.0	.032	−29.85
64.5	.026	−31.82
65.0	.019	−34.56
65.5	.020	−34.13
66.0	.030	−30.52
66.5	.042	−27.57
67.0	.052	−25.66
67.5	.059	−24.62
68.0	.061	−24.30
68.5	.059	−24.65
69.0	.052	−25.73
69.5	.041	−27.69
70.0	.028	−31.02
70.5	.013	−37.42
71.0	.002	−55.55
71.5	.016	−35.98
72.0	.028	−30.91
72.5	.039	−28.26
73.0	.046	−26.78
73.5	.050	−26.06
74.0	.050	−25.95
74.5	.048	−26.39
75.0	.043	−27.41
75.5	.035	−29.15
76.0	.025	−31.95
76.5	.014	−36.86
77.0	.003	−49.31
77.5	.010	−39.81
78.0	.022	−33.12
78.5	.034	−29.49
79.0	.044	−27.10
79.5	.054	−25.41
80.0	.062	−24.18
80.5	.069	−23.27
81.0	.074	−22.63
81.5	.078	−22.19
82.0	.080	−21.93
82.5	.081	−21.83
83.0	.081	−21.86
83.5	.079	−22.03
84.0	.077	−22.31
84.5	.073	−22.73
85.0	.069	−23.26
85.5	.064	−23.93
86.0	.058	−24.75
86.5	.052	−25.74
87.0	.045	−26.94
87.5	.038	−28.41
88.0	.031	−30.27
88.5	.023	−32.70
89.0	.016	−36.18
89.5	.008	−42.17
90.0	.000	−80.00


TRENTON, N. C.
SEA TRENT RIVER 15' QUADRANGLE
N3500 - W7715/7.5
1982
DMA 5554 III SE - SERIES V842
SITE COORDINATES:
N. 35° 02' 27"
W. 77° 21' 11"
35°02'30"
PROPOSED SITE
Radio Tower
(WCTI TV)
Jones High Sch
Crooked Run
INDEFINITE
77°22'30"
77°20'00"
35°00'00"
EXHIBIT E - 8
TRANSMITTER SITE
FOR PROPOSED TV OPERATION OF
CHANNEL 35, JACKSONVILLE, NORTH CAROLINA
JANUARY 1992
COHEN, DIPPELL and EVERIST, P.C. Consulting Engineers Washington, D.C.
460 000 FEET
KILOMETERS
METERS
2 490 000 FEET
CONTOUR INTERVAL 2 METERS
SUPPLEMENTARY CONTOUR INTERVAL 1 METER
DASHED SUPPLEMENTARY CONTOURS ARE APPROXIMATE
NATIONAL GEODETIC VERTICAL DATUM OF 1929
CONTROL ELEVATIONS SHOWN TO THE NEAREST 0.1 METER
OTHER ELEVATIONS SHOWN TO THE NEAREST 0.5 METER
Produced by the United States Geological Survey
Control by USGS, NOS/NOAA, and North Carolina Geodetic Survey


Youngsville
Red Oak
Lawrence
Hobgood
Seven Paths
N A S H
Dortches
Leggett
New Hope
Nashville
Speed
Oak City
Hamilton
36°
Windsor
Merry Hill
Quitsna
Rolesville
Spring Hope
Rocky Mount
Kingsboro
Tarboro
Princeville
Coakley
Hassell
Woodard
Sans Souci
Mackeys
Pleasant Grove
Westover
Roper
Scuppernong
Creswell
Travis
Laurel Pt
Pilot
Stanhope
Sandy Cross
E D G E C O M B E